WHAT IS CLAIMED IS:

1. A protective circuit for a supersonic humidifier comprising:

An input terminal for a DCV source:

A voltage stabilizing circuit (A) connected to said input terminal of said DCV source, and an ultrasonic vibrating member driving circuit (B) connected to said voltage stabilizing circuit (A), a P2 terminal of an ultrasonic vibrating member (Y1) in said oscillating drive circuit connected to a voltage dividing circuit composed of a resistor R13, an diode D3 and a capacitor C5 and connected to a resistor R12 of a compare circuit (C), another terminal P1 of said ultrasonic vibrating member connected to two resistors R9 and R10 of said compare circuit, said resistors R9 and R10 dividing voltage to be sent to a terminal P11 between said R9 and said R10, said terminal P11 sending input voltage to a third pin of an OP amplifier; and,

Working current, working voltage of said ultrasonic vibrating member changing in case of no water in a water tank, working current of said ultrasonic vibrating member upgraded in this invention accordingly so as to enhance voltage at said terminal P2, voltage sent from said terminal P2 to a terminal P12 being larger than that of said terminal P11 so that input voltage at a second pin of said OP amplifier U2A is higher than that at said third pin, with said OP amplifier turned off, with said first pin of said OP amplifier not sending signal output to an integrated circuit IC1 so that said transistors Q1 and Q2 of said ultrasonic vibrating member driving circuit turned Off to stop said ultrasonic vibrating member for protecting said humidifier.